

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

AUGUST 1934

Any five of the nontechnical publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D.C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

Except in the case of exchanges, publications are not sent free to residents of foreign countries.

FARMERS' BULLETINS

- The red spider on cotton and how to control it. E. A. McGregor, Bureau of Entomology. 12 p., illus. (F. B. 831 F., rev.) Price, 5¢.
- Preventing damage by termites or white ants. T. E. Snyder, Bureau of Entomology. 22 p., illus. (F.B. 1472F., rev.) Price, 5¢.
- Flax-fiber production. B. B. Robinson, Bureau of Plant Industry. 26 p., illus. (F.B. 1728F.) Price, 5¢.
- Machinery for dusting cotton. R. C. Gaines, Bureau of Entomology, and D. A. Isler, Bureau of Agricultural Engineering. 14 p., illus. (F.B. 1729F.) Price, 5¢.

LEAFLETS

- Crested wheatgrass. H. L. Westover, Bureau of Plant Industry. 8 p., illus. (Leaf. 104L.) Price, 5¢.

One of the most promising dry-land grasses for eastern Oregon and Washington and northeastern California. In Colorado crested wheatgrass is reported to give good results as a pasture crop at altitudes of 5,000 feet or more, but it has not appeared promising at lower altitudes.

TECHNICAL BULLETINS

- Shortening the rest period of the potato. William Stuart and E. H. Milstead, Bureau of Plant Industry. 32 p., illus. (T.B. 415T.) Price, 5¢.

Studies upon which this report is based were primarily undertaken with a view to securing additional information in regard to varietal responses to chemical treatments for breaking the rest period.

- Beef production and quality as influenced by crossing Brahman with Hereford and Shorthorn cattle. W. H. Black and A. T. Semple, Bureau of Animal Industry, and J. L. Lush, Texas Agricultural Experiment Station. 54 p., illus. (T.B. 417T.) Price, 10¢.

Though necessarily the data presented are based on averages for the experimental cattle, individual records of the animals and their meat varied materially. Such variations, in the light of well-established principles of animal breeding, strongly indicate the possibility of improving types of beef cattle both in feed-lot efficiency and quality of meat.

- Shrinkage and heat penetration during the roasting of lamb and mutton as influenced by carcass grade, ripening period, and cooking method. Lucy M. Alexander, Bureau of Home Economics, and Nancy Griswold Clark, Bureau of Animal Industry. 27 p., illus. (T.B. 440T.) Price, 5¢.

An initial attempt to supply much-needed information. It presents data on different methods of roasting legs of lamb and mutton, ranging in grade from Choice to Cull and in ripening period from 2 to 24 days after slaughter.

CIRCULARS

- Community production of Acala cotton in New Mexico. A. R. Leding, Bureau of Plant Industry. 24 p., illus. (Cir. 314C.) Price, 5¢.

It has been demonstrated that by the adoption and maintenance of a good variety of cotton, which is well adapted to cultural conditions, commercial quantities of a uniform and high quality staple may be produced. Increased returns from the crop have been realized.

- A new method of self-pollinating cotton. W. W. Ballard, Bureau of Plant Industry. 4 p., illus. (Cir. 318C.) Price, 5¢.

A new method of obtaining self-pollinated seed has been developed and tested at the United States Acclimatization Field Station near Charleston, S.C. This method, here described, is much more rapid and equally or more effective than methods formerly used.

Outbreaks of the Dutch elm disease in the United States. Curtis May, Bureau of Plant Industry, 19 p., illus. (Cir. 322C.) Price, 5¢.

This publication acquaints shade-tree owners, foresters, arborists, nurserymen, and others working with trees with the menace of the disease, and may stimulate them to forward specimens from unhealthy elms to State and Government laboratories for diagnosis, so that the distribution of the disease may be ascertained and control policies formulated at once to meet the situation.

Protecting plants in the home yard from injury by the Japanese beetle. W. E. Fleming, F. W. Metzger, and M. R. Osburn, Bureau of Entomology and Plant Quarantine. 13 p., illus. (Cir. 326C.) Price, 5¢.

DEPARTMENT CIRCULARS

Parasites and parasitic diseases of dogs. Maurice C. Hall, Emmett W. Price, and Willard H. Wright, Bureau of Animal Industry. 35 p., illus. (D.C. 338DC., rev.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

Handbook of United States standards for grading and marketing fresh fruits and vegetables. Bureau of Agricultural Economics. 163 p., illus. (M.P. 190MP.) Price, 15¢.

These standards are recommended by the Bureau of Agricultural Economics. Their use by all agencies engaged in the handling of such fruits and vegetables should promote more uniform grading and should facilitate the marketing of these products.

SOIL SURVEYS

Indiana, Vermillion County. (Number 20, series 1930.) 39 p., illus. Price, 20¢.

Iowa, Poweshiek County. (Number 29, series 1929.) 39 p. Price, 20¢.

Michigan, St. Clair County. (Number 27, series 1929.) 28 p., illus. Price, 35¢.

Minnesota, Hennepin County. (Number 24, series 1929.) 34 p., illus. Price, 30¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Regulations for warehousemen storing dried fruit under the United States Warehouse Act. Bureau of Agricultural Economics. 20 p. (S.R.A.-B.A.E. 88, rev.)¹

United States standards for grades of canned grapefruit. Bureau of Agricultural Economics. 5 p. (S.R.A.-B.A.E. no. 145.)¹

Regulations governing the elimination of cattle reacting to the blood test for Bang's disease (infectious abortion) under the provisions of Public No. 142, Seventy-third Congress. Effective on and after July 19, 1934. Bureau of Animal Industry. 3 p. (B.A.I. Order 347.)¹

Bureau of Animal Industry, Service and Regulatory Announcements, June 1934. Pp. 51-61. (S.R.A.-B.A.I. 326.) July 1934. Pp. 63-70. (S.R.A.-B.A.I. 327.) Price, 5¢ each.²

Notices of Judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 1-74. (N.J.F.D. 21001-21175.)¹

Notices of Judgment under the Insecticide Act. Food and Drug Administration. July 1934. Pp. 175-184. (N.J., I.F. 1296-1311.)¹

Cumulative index to Service and Regulatory Announcements Nos. 1 to 117 inclusive, 1914-33. Bureau of Plant Quarantine. 68 p. Price, 10¢.²

OTHER PUBLICATIONS

Yearbook of Agriculture, 1934. Milton S. Eisenhower and Arthur P. Chew. 733 p., illus. For sale only. Price, \$1.00.

Sugarcane variety P.O.J.2878 in Puerto Rico. Robert L. Davis. (P.R. Bull. 35.) 45 p., illus. Price, 5¢.

This variety was introduced into Puerto Rico from Java in March 1927. Within 2 years after its introduction, the area on which the variety was grown had been extended to several thousand acres—a hasty extension which proved disastrous in some cases. In view of the contrasting climatic conditions in various parts of the island the behavior of this variety is discussed by localities.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.

Agricultural situation. Vol. 18, no. 8, August 1, 1934. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 11, no. 7, July 1934. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan.

Extension service review. Vol. 5, nos. 6 and 7, June and July 1934. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$2.25 a year domestic; \$3.50 a year foreign. Not distributed free to individuals. Each issue, price 10¢; 15¢, foreign. Reprints, 5¢ each.²

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— Vol. 47. July 1–December 15, 1933. Title page, contents, and index. Pp. 1055–1064. Price, 5¢.

— Vol. 48, no. 11, Illus. June 1, 1934.

Contents:

Relation of barberry to the origin and persistence of physiologic forms of *Puccinia graminis* (G-902). E. C. Stakman, M. N. Levine, Ralph U. Cotter, and Lee Hines.

Size and arrangement of plots for yield tests with cultivated mushrooms (G-909). Edmund B. Lambert.

Magnesium, calcium, and iron requirements for growth of *Azotobacter* in free and fixed nitrogen (H-25). C. Kenneth Horner and Dean Burk.

The normal development of the leg bones of chickens with respect to their ash content (A-162). H. M. Harshaw, J. C. Fritz, and Harry W. Titus.

The lethal effect of low temperatures on the various stages of the confused flour beetle (Minn.-84). Roy H. Nagel and Harold H. Shepard.

Increase of kernel weight in common wheat due to black-point disease (N.Dak.-8). L. R. Waldron.

A statistical study of the relationships between the constituents of milk (Pa.-48). Alex Black and LeRoy Voris.

Influence of calcium phosphorus intake on bovine blood (Utah-32). J. E. Greaves, E. J. Maynard, and Wendell Reeder.

Survival of blister-rust mycelium in western white pine (G-908). H. G. Lachmund and J. R. Hansbrough.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.

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Farmers' Bulletins	Leaflets	Other publications



Journal of agricultural research. Vol. 48, no. 12, Illus. June 15, 1934.

Contents:

- Effect of leaf rust (*Puccinia trititica*) on yield, physical characters, and composition of winter wheats (G-905). Ralph M. Caldwell, H. R. Kraybill, J. T. Sullivan, and Leroy E. Compton.
- Inheritance of resistance to loose smut and covered smut in some oat hybrids (G-903). T. R. Stanton, George M. Reed, and F. A. Coffman.
- Testing alfalfa for resistance to bacterial wilt (G-906). Fred Reuel Jones.
- A gall similar to crown gall, produced on *Gypsophila* by a new *Bacterium* (G-912). Nellie A. Brown.
- Experiments on irrovizing corn (G-914). George F. Sprague.
- The microbial decomposition of successive cuttings of alfalfa hay under aerobic conditions (E-55). E. A. Beavens and L. H. James.
- Press fluid from heated beef muscle (Minn.-85). Alice M. Child and Mary Baldelli (Minn.-85).
- Carbon dioxide formation by clean and scabby potatoes (Vt.-5). B. F. Lutman.
- Public roads. Vol. 15, no. 5, July 1934. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²
- Weekly weather and crop bulletin. Nos. 31-35, July 31-August 28, 1934. Price, 50¢ a year, domestic; \$1 a year, foreign.²
- Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- The Agricultural Adjustment Act and its operation. (Revised) 13 p. (G-1).²
- Code of fair competition for the auction and loose leaf tobacco warehouse industry. Approved by the President of the United States. Code of Fair Competition Series—Code no. 18. 20 p. (M-70.) Price, 5¢.
- License for distributors of crude gum, cleaned gum, gum turpentine, and/or gum rosin. License series—License no. 78, 7 p. (M-71.) Price, 5¢.
- License for agents, factors, and commission merchants engaged in marketing, handling, or distributing crude gum, cleaned gum, gum turpentine, and/or gum rosin. License series—License no. 77. 7 p. (M-72.) Price, 5¢.
- Marketing agreement and license for canners of cling peaches grown in the State of California. Marketing agreement series—agreement no. 47. License series—License no. 75. 35 p. (M-73.) Price, 5¢.
- Marketing agreement and license for shippers of fresh lettuce, peas, and cauliflower grown in western Washington. Marketing agreement series—agreement no. 49. License series—License no. 79. 30 p. (M-74.) Price, 5¢.
- Amendment to marketing agreement and amended license for southern rice milling industry. Marketing agreement series—agreement no. 39. License series—License no. 11. 62 p. (M-76.) Price, 10¢.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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